

INTERNATIONAL SEARCH REPORT

PCT/IB 03/03360

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G10L21/04 G10L13/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G10L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 324 501 B1 (SCHROETER JUERGEN ET AL) 27 November 2001 (2001-11-27) column 1, line 33 - line 42 column 1, line 42 - line 64 column 2, line 59 - line 63 column 3, line 1 - line 5 figure 2 idem	1, 2, 4, 11-13
Y	US 6 208 960 B1 (GIGI ERCAN F) 27 March 2001 (2001-03-27) abstract; figure 10	9
X	US 5 729 657 A (SVENSSON TOMAS) 17 March 1998 (1998-03-17) column 3, line 5 - line 34	1, 2, 4, 11-13
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

30 October 2003

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06/11/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 189 702 A (SAKURAI ATSUSHI ET AL) 23 February 1993 (1993-02-23) column 8, line 5 - line 6; figure 4 column 8, line 36 - line 40 column 1, line 49 - line 58 column 4, line 1 - line 11 -----	1,2,4, 11-13

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Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 6324501	B1	27-11-2001	NONE	
US 6208960	B1	27-03-2001	EP 0976125 A2 WO 9933050 A2 JP 2001513225 T	02-02-2000 01-07-1999 28-08-2001
US 5729657	A	17-03-1998	SE 516521 C2 AU 676389 B2 AU 7885694 A CH 689883 A5 DE 4441906 A1 ES 2106669 A1 FR 2713006 A1 GB 2284328 A ,B IT RM940763 A1 NL 9401964 A ,B, SE 9303902 A	22-01-2002 06-03-1997 01-06-1995 31-12-1999 01-06-1995 01-11-1997 02-06-1995 31-05-1995 25-05-1995 16-06-1995 26-05-1995
US 5189702	A	23-02-1993	JP 63199399 A	17-08-1988